Aviation Jevs McGraw-HILL PUBLISHING COMPANY, INC. JANUARY 10, 1944



Forecasts 110,000 Flanes in 1944: 1. F. Wright, alrector of the Aircraft Resources Control Office, and internationally known engineer, who in this issue of AVIATION NEWS presents a forecast of 1944 aircraft production and a retrospect of 1940-1943 air power preparation. Article on page 7.

Record Output Laid to Industrial Teamwork

Flying Marines Spearhead Pacific Drive Offensive operations against Japs expected

to be carried out largely by squadrons with new Curtiss Helldivers...........Page 16

Airline Stocks Gain in '43; Aircrafts Off

Final prices show extension of advances by all air transport shares while manufacturing company equities decline further....Page 38

Convair to Act on Consairways Separation Parent company directors reported planning

Ceilings Listed on Used Planes up to 500 hp.

Arnold Puts AAF Strength at 2,385,000 Men



McQUAY-NORRIS PISTON RINGS

PISTONS ... PINS ...

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McQuay-Norris is definitely air-minded. We are now suppliers of precision parts to the world's largest makers of sircraft motors. Our 34 years' experience in precision manufacture enables us to meet ever demand of modern existion for sturdy, unfailing precision parts. Your inquiries

AIRCRAFT INGINES

Oil Scoling Rings Supersharper Brees

Marbined Abandaese Pinese Pinton Pins Counterweald Check Plan Markingel Mannasham Parks

Herfared and Governd Party PROPELLIE ASSEMBLY

FOURMENT FOR

MAINTENANCE OF AIRCRAFT Platees for Owener Photos Bissas for Opposes Pins for Owygon Compressor Pinters for Air Carannan

Photos Sings for Air LANDING GEAR PARTS Machined Aberdown Photons Pistee Bloom

PRECISION WORKERS IN IRON, STEEL, ALUMINUM, RRONZE, MAGNESIUM



McOUAY-NORRIS MEG. CO. (AIRCRAFT DIVISION), ST. LOUIS, U.S.A.

Washington Observer

OBSTACLE TO PLANE PRODUCTION-A recent expenence of an aufrage congeny with a subcontractor who before the war made a hencebold applicace, and whose heart was still in the home, shows what the overaft industry is an arrared. The oir frame company made fine progress and seen it was to need assembles the subcontractor had agreed to preduce. The ausembliss foiled to appear. A treatile theater ten reading about plant of WPB to recoil recurrences of production of household appli-A telephone call from a high WPB official ordectum. The axistion industry, expected to be will fight this kind of battle many three from

AMOTHER BLOW FOR CAMOUFLAGE -

GERMANY'S SECRET WEAPONS -- Gercases arosen on elderale in cases of the birthest averagent affetals in Weshrarten. In fact, the Alber, is considered not surprehable.

ignored by openmentators. It shouldn't be-

AVIATION NEWS . Secure 33, 1944

has to offer, expects the constrtion that our alleis about of us to jet propulsion development, ofthough War and Navy Boot, officials refuse to correde thin. Events later this your are Wale to prove the townsty point, however, As an interesting sidelight on the sphicet, each of say the other for several menths in put out the first public assessmented of carrest work in this

BOUGLAS DENIES BUMOBS - Falor and demograp rumors of whelesale layers become so widespored and so threatening to production that the Desiglas Company found it necessary to howe a formal denial, scaling their case with the statement that the Douglas backing is greater than at any time in the company's history. son. WPR executive vice-chairman, to rathorize and mature, through the District of Labor Production of WPB, on insufer into the elecula-

CONGRESS RETURNS - There are many



Corney in British battle dress

week, foremost aroung them being the new tax

W.T.S OPERATORS!



You'll Like This Quick **Preheating for Trainers** with a Hunter Low Cost "Cold Starting" Heater

Gate them in the air exister . . . Burns ony type of gesaline, from touck fivel to highest seture . . . Fivel supply self-centeined . . . Compact, simple and dependeble . . . Can be excreted envelope within reach of 110 yell extension ... Envily handled by one man Can be backed up or stowed owny in a few seconds

Delivers 25,000 fits ner br. . . . Unit shown above specially do. signed for light planes. Other simple dust connections available for larger eawly or fee radied installations. Comes with complete set of dusts and harness for either type of installation, a investigate this simple probester before cold storting time losses interfere with your contest apprelians

1540 EAST SEVENTEENTH STREET

Washington Observer --Howking News Stoken

AVIATION NEWS

Languary 10, 1946

THE STARY SCHOLLA DANCE -

> Shiterial Headquarters 1352 Noticeal Press Enthosp.

Adventurers Inden

AVIATION NEWS . JUNEY IS HER

tistion, nithough many members versus from in-

CONGRESSMAN'S SUPER DOMBER -- Rea-Sparkwan, of Alabarra, was quoted by a few newspapers as saying a given new humber binner than the B-20 is being preduced and will noon be in large-scale production. This was news to some years back, which is larger than the B-19. and that a reporter get emplaced by all the

DOUGLAST BIG TRANSPORT-USES the BC-1. Informed officials here my the company mercial areduction. Other agures indicate a gress takeoff weight of about \$50,000 pounds.

THE AAR CAVALOG AGAIN.......... Posts Material Commend still over the day it broad in calor and support sales talk. The Apper has channels. It was a read idea best it worked too well. The Specialized Depat at Memphis, Tenn. most suffert in civilian life. "That catalog oretainly went ever hig," and a Material officer to ingresses." The very first pass showed a sice roll of garden base, litting several tires; tanks, rerepressers, faci parage, movie projectors. leather elething, beaters, supersters, teels and a variety of parts and gadgets were offered in

22 pages of trespting pertures and copy. CITTRACK LAYOFFS ... Commentus; on the of Thompson Agernat Products Co., and a that the action regulant from "earlier sharp cuton almost cust of conduction early in 1964. Army they meant trainers. They said that even if sir-

possibly in 1944, combet planes.

News plans to vely applicable on radial arracoded plone. This does not mean that the Newy has a closed mind on the anestion of liquid-cooled confines as has sometimes been showed, but striply that the Grayrona "Hellant" and the Vocate "Cornele" presed surb salendid perfeerners and that production on both types was operant on the other fighter which had not pregressed to a point where the Navy believed diffilural experimentation was troub white The liquid-cooled engine was of such a design that it rould be used sely in the propest fighter

describbs at this firm it become personne to BION - After President Resseveli's message

out notice, is that Baruch is in the driver's seal

been revended that but spring a first of Cartina round made the loanest man terropart flight on second by delivering to turn of valuable cares. to an advanced Array base after a florbt of 14. 666 miles, more than hollowy around the world



next year and says we date not adopt philosophy that the war is nearly over: December output of 8,802 planes ruses year's oreal to 85,966. The 1944 plane valuation will be 25 billion dollars

Devector, Asseraft Resources Coursel Office

a long way to got blue awareft of

EACKGROUND

T. P. Wright Traces Plane Program: Forecasts 110,000 Aircraft in 1944

Warns aviation industry that it must meet accelerated program By T. P. WRIGHT

percent were tracing places.
Working with the National Delicase

merening rate, greatly standated during 1942 by "Pearl Burber" and net until the CMP also was rate-

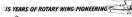
preved pragrams under CMP, plea-

Highlights of Mr. Wright's Report

A Thin year we shall attend a rate of duction lend by Germany In 1996 to

Moraspower output rose from 20,-





1644 mades the Africach year during

merce and agrandese, is this bittone

pon office roof, month after month, in

in a single woo, on a duly extended,

OLDEST BOTARY WIND AIRCRAFT HANUFACTURING COMPANY

AVIATION NEWS . January 16 1944

become productionst. Labor was a 7 Firms Make Props Seven composites now are poswere the situation had strapped, and ducing propollers for the namarter of 1943 great emphasis has atter dutybeton of labor, by more laboral deferment progresses, by reduc-3360, Hamilton Standard Prodrom. The condition is threstened of evoter than 7 percent. This means

AIDEDAME

mon effect where best fitted

MINISTER S

\$ 157,000 Planes -- At the potset. I such

the first of July, 1990, through December 11, 1943, we have built 167,000

reditory agulares. This represents.

mentioned was \$100 percent

had to supply planes to par Alber who were "kelding the first" during the under lend-lesse. The purphers ar day way and to socilerate This was a horpalous task as anyone will at once

"where are all these suplanes" Prep-

buses, equadron octreation and, finally, coredet massions 3 is a little lake a

ten from her commands in terms of



1643, with the trend in 1944 radical ed Spot obseks on prewer cutrate AVIATION NEWS . Jacoury to 1944

available of personer production took: that is, facilities, resterials, and

Regly in 1942 the President estab-

utilization, the achievement of ball

from those goals. However, after a critics and components. Therefore, or September 1943, the Agernt Produc-

nove scheduling, selective both as to combat types. It is confidently ex-

QUANTITY

\$,500 in December, (a 75 percent

fort by about 5 percent.) pleres for the period 1990 through

Holiday Slump because to 6000 pounds in December slamp is production in the All indications up to Dec. 29 of approximately 9,300 planes,

cont Our other measure of extent in to cour \$5,000,000 as Decomber a \$1

The average sixtrame unit weight

trend in the proportion of testinal position in 1936, to 3% to 1 in 1943, to shown. This perpenderance in pro-



1975 U. S. already productive in 1976 was 1150 and in 1916, 1995. As Short years estimated Syrvens productive was 500% and 1000% assentiately

manded that the combat effectiveness promat places American abrevalt at the

decreased the more number of planes of the opagement be raised. In other esteel, back in 1841, they were glad

rate Monthly reports have been inrecents the coving of \$5,000 people teriks increase, which has "chadle

meet 40 percent. We fully retainable CHARLES power drain to the air program will be relatively small. The transle in

THE WAR



carrier represented by possibly a 26 was invented by Dr. E. L. Mack. D. C. lüzagerford. Tests by the (It was 4,000 poembs in 1966); Our P.Conclasson - Agust, however, I must

New Fastener

Easter Sten Not Corn. has not tion, marticularly maked for carine brane 200 rates, commarred with 334 cowhines. The mrine-look device in 1942

Delra Air Lines Doubles 1942 Mark

racks in 1965 reached a new block 1942's 31.357.957. Autrate bout against 715 for 1942 Passengers to 115.463, average passenger haul

en 1826, aboses Kredelberger, right, standing, with T E Springer, then a

J. H. "Datch" Kindelberger, president of North American Assetion, man

AWATION NEWS . January 15, 1966

enumerate. The two norm are AVIATION NEWS . Japaney 11, 1944

Pogue Renamed 1. Welch Done and Discont

named v 18:000 pounds cash for all

24,566 Airplanes Built in 1943 By East Coast Members of AWPC Companies producing at rate of \$8,000,000 a day at close of year our afferires dollar volume record of \$2,225,000,000.

A total of 24,566 simplemen wough- 1943, the companies delivered an use with mares, in excess of 188 estimated 77% million pounds of miles pounds not included ansurplemes and space parts as compaced with \$4,337,660 pounds darirrected by member companies of the Aircraft War Production Council, Production in dellar values was > Hecords -- Moraber companies inclode: Aviation Corp.: Bell Avioraft. urne at the rate of \$6,000,000 a day Brewster Aerogantical: Curtus

ducing at the rate of \$6,500,000 a h Months Flightern Warfe the renture fixe bumbers, taypedo and days bumbers, Navy patrol borekers, cur-

General Motors, Farehald Engine Hay Personal Needed-Surveys mede on marpower and labor units-



During the but four months of sound. The utilization survey is

Believed to be the language over healt are the 200-inst years story wood transer in Bann Aerospatical Coursew's final cosessible building of Sec. Deep. Reted or unique in the construction field, the bie wooden "hous-

Files Need of Speed-Up-L C son, named president of the Counwill mean building approximately

43,000 auplanes weighted 128,000

NWLB Shift Creates New Plane Wage Panel Summery of federal actions in

chain Goodpear-DPC commen. National Way Labor Bearity an-Puncl in affect creates for the arrusual Board for frod denume. This b Becommendations - The panel of mend cely to the Board, but decr-The West Coast Aircraft Committer will continue to function and

Membership-Thomas H. Elist is charman of the panel and members are Garry Cotton, AFL, 301 Hall, CIO, John Mende of Bell Aircraft Corp., and Charles Et Blooks, Jr., of

salary incurs in major dispute and NAME AND ADDRESS OF THE PARTY AND ADDRESS OF T stanually affect either the graces. parties or the ware stabilitystice

strings" fortificated componention, with minimum and of moral, of a clearly, Majer Cases Bandled ... Only review room building 170 ft. long, 200 ft. wide, and 15 ft. luch beneath the transes, cases provious them community in AVIATION NEWS . JOSEPH 10, 1946



NEW POWERED GLIDER: new PG-2, with two IT2-Ap. Hangre engines. The latter



the AAF is not now astiripated.

are to be handled by the Popel. The

cluded in the recordment Appointments - Recent append-

to at as a vetag member when

b WPR-layertery Direction 14 un-

from with the expediction of the 22 WMC Chairman Paul V. McNitt

Mani-Friction Bearings - WPB specialize transpar programs in the define years strictly the type of prime or rekontracter to whom be sold. Only a prime or rebeautrecings into a product he manufactures Krug's WPB Power

Raised by Order PDPC Lean - Goodyvar Aureral's Officials are no effect on algorida

ment of a plant in Summet County, and Charles E. Wisco, executive Ohio, at a cost of appreciately \$120,000, resulting in an overall LAAF Specialized Depet and Tre b Petrodram Administration for Wor ces, officials of the Aircraft Resurres Custral Office, or the Air-3844 construction to be correlated early Already the engineering of b Errord Anghority-Tree, Krue has

OPA Announces Price Ceilings For Used Planes, 500 hp, or Less

Formula weeked our is based on Oct. 1, 1941, value, depreciated at uniform case of 8 percent a year up to ten years Used corplanes powered with a

single engine of 560 hp or less have h fevolutates L-262-The action was the War Production Based Until new, WPB's L-262 order provided sald L-263 becames invalid under

(3) frameworked has prive. Whe "recruited has been of yet regardence shall be the first up heart of he H.O. The Cholder L. 1941. Headlest the set on the Steep close, the Spirit headlest \$1. 19. of the Steep Sediment of Steelber Applica-

ACC Opens Personal Aircraft Department Operations stated to further de-

nutical Chamber of Commerce. The descriptions was sufficient ray. Borrag vice-president and

Districtive-John E P. Margan. previous for adequate landing for

struraft in the postwar years," Margen said, "the time has come to march preparations that will assure Committee The year deportment is being operated verter the conteral Aircraft Corp. and William A.

charmen and vace-chargeson, re-Morgan is wately known in ava-

and for some time as Washington AVIATION NEWS & January 10, 1944 Corp., Testercraft Avietion Corp., other from His ward in 1927 and since Adel Enters Diesel h Developed Artillery Spattler-He

Arnold Reveals Progress of AAF tion and discious new details of U. S. war program.

To Present Total of 2,385,000 Men General's 20,000 word report cites expansion of aircraft produc-

Standard from the blue prints of hishment of cold weather testing stamandage experts, in detailed in the Americky Lane-Coder the build-* Totals 2.353.650 Men -- Gen Armold

Gen. Arnald touches on the assets ordern and added that the Air Corps perwar expinsion and grewing the training of Army points, estab- and enterprise.

Equipment Field

b Dunet Pacents Studied-Ray Ellin-

veloping bostonic and memorae and Down Co. P. Waare Ind. on



FAIRCHILD GUNNERY TRAINERS

sers, ascerting delivery to the AAF, which will be three Pairchild Genners, odrawed trainers for serial pun- to training centers throughout the country

THE AIR WAR

COMMENTARY

Flying Leathernecks Spearhead Allied Drive in South Pacific

Offensive operations by Marines eventually may be carried out by squadrons equipped with new Curtiss Helldivers.

The Marines have landed The Rossell Islands, Munda, Bougain-After more than 18 mentles of

almost unprecedented tramphs in As now official version.

proximately 30 percent or more of Marine Fighter Samdeans-In the this ship enabled it to turn an an Nappunese fours. More than aux

sived Guadalescal. In those des-

will be well known. What is not so, hithe "County" County to But -This ship gave them the added and the 1941 record against Zelor "From the Aulit of Mentersynn, Hung and York has been tone norm nearly rigo for the Sent drive

and the improved Jup fighters

(export version of the Airprobre)



NEW EMBLEM FOR TEVING TIGHTS

has been adopted as the official explicit of the AVG's reconstre. The Flying it was presented to May Gen. Clairs Chemically, commanding general of the nergie days a haryful of P-400's Bahert Nerses

AVIATION NEWS . Junuary 10, 1944

h Deposition the Erry and Tin Fish-For offensive aperations there are a

few Marine agradions equipped with Decains Devertiess days-beenbera (SSECs) and Grunnian Avenue torpede bombers (TBFs). It is not diver (880C), so this ship has creater speed, fire-power, range and Fontral Selemons Push - All

lowed in succession, and Robard rors have been suffitted with the the situation looks serious, with siz Grazemin Hellest (FEF), a lighter and navel superiority new on the in the same league as the Coronic, other foot.



SO OUR FLIERS WILL NOT GO DOWN IN FLAMES were wherever Japa go after dring

The busic was over . . . the plane was beene . . but its wires looked the lacework. Neat rows of boles with feel stresming through riedled

Chalk up one more lapsaded victory . . . one more ailer saved be buffer, ambian fort cells. The Zeron Without them he might have been a "famer" soo Inmend he was relling

Rushe here . . . in inclidents like this . . . Is where except is here and Inn. Our eyes know their feel renks

cannon shells . . . ned will hold you And reli the tale.

many of the buller-realing fuel cells "edge" on the Jap . . developments that have belped keep our faces



Today, all our research and production facilities are gaining now will help bring you a world of safer flight

MAKERS OF MORE THAN BO RUBBER AND SYNTHETIC RUBBER AVIATION PRODUCTS

Wright Pilot Gets DFC Maj. Perry J. Rocher honound:

back broken in remp. In nears, Wright Freid's test exists. Arrey Air Porces. Since Pearl Harbor, although they have continued were not for the equipment and

tirely overlooked by the Wor De-

) Made Blood Tests - Testing recovery from more than 35,000 feet altitude. eg coverell, and without the budget

about 25,000 feet, but has velocity the opening chirle broke his beck and he last consciousness. He beliaves he had dropped to about \$,000

scousness to find his eyelphs frozen shad but warmer temperatures



Test Point West DPC: May Perry J.

DC-3's Move Wounded

\$.000,000 miles as this tank,

He said that in Africa New Genes and Sicily, Douglas tronsport planes have here.

To cooks from Wright Field.

Heads Navy Air Unit

The pay moved air truster comtraining, will be headed by Rear b Veteran Floor - Admiral Marray Admiral Marray, a veleran navy

ing his step, the USS Enterprise, Air Sciences Group To Meet in New York 12th snoval parky to be held at

The Institute of Acconvitical Sources will hold its 15th acress!

dausters. Baffalo plants, Cartar-George W. DeBell, consisting engi-



for the record ...

ON THE SHOULDERS of the oil technics has folion the representative of lubroration. preparations. . . . Some comparison such as Gull, howehad a menument there in



AIRCRAFT PRODUCTION

Record-Breaking Plane Production Attributed to Industrial Teamwork

Currist-Wright's President Guy W. Vaughan credits cooperation all alone line for all-core bish ourner of approximately \$6,000 warplanes in 1943.

By SCOTT HERSHEY

mobile manufacturers and subconplanes under becase is exemptified in the record-breaking 1942 per-

Guy W. Vaughan, president of Curtus-Wright Corp., in consensathe printing produced only 2,148 reditary planes in 1909, as an indiculine of the progress mode, and profess how Germany is bring

months of 1943 as during the 1929 nerted, an increase of 2,500 percent. Wright Airplane division, Wright guarantant's plants being in New York, New Jersey, Pencuptraria,

Forgotal Lauds Grunnenss-At the der-Secretary of the Navy, at a ceremony in connection with the completion of the last of the Gruns

Furroutal acknowledged the sa-News Dec 20 that Grunness is now

out 6,240 sirplanes of all types. citizen are now devoted exclusively

In connection with year-end reviews. Alfred Marchey, president of Republic, amounced that his firm Postsdoor Bate Up.-The Curtissdoor SECC dree-boosters, Abroker SOSC score-etacryston trees, man-



In executing production on the Certing-Wright plants of

AVIATION NEWS . January 19, 1964



AAF STUDIES A JUNKERS

mately 97,500,000 by This is an

output and a gam of 1,000 percent

42 months ended Nov., 33, 1843, its

damaged after a forced landing. Its 1,500-mile renor was stepped up to \$,660 miles by extra toubs, and four-

Deadline on Coast ing period in 1945. In No-Deferments Extended processately 5,800,800 pounds more Services have till Jan. 15 to cer-

tily as so need of surgraft workers. Wright Aeronautical, Vaughan reperiod, increased its production of a point where it is now 35 6 times when the war started Since the mvasion of Peland, Wright has pro-duced 149,042,000 kg. Now produc-The time extension merels from the representatives an additional two weeks to die certification in line in September, 1999, it is increasing will be about double that of 1943. West Coast program for increased ed to meet this unsuffice. > Prenellers... The Preneller daymen.

as Navy representatives in sixorali

claims for deferment of workers by cation of the recessity and the re-

Warls the successft comparises were lorger her man including technical with the original place when the races. Deforments have been cruete





for operation at 161.1-megacycles" The work of W. I. Walter in the alon bick foreignis the endy available UHF cabe that will operate eaccountile or 161.1 mc "

cles is attracting national amention. After several years me or WGAR, be designed a 157.5-me AM mobile transmitter with an operating range of 12 miles. Two years and the 157.5 mc special events mobile unit was modified man a 161 time IM conseniors. which reduced name and improved transmission, and

"The HK-24 is the best UHF tube

has a surjefactory expension more of 25 miles from the receiving location. Now he is engaged in testing a 10-wast 225,6-mc erystologogyted AM responsives and the meets will be published in the near factory.

For the driver amplifier and power-amplifier stress of those remarkation Mr. Widler or locard Gamparane

"I know from experience," he says, "that the HK-24. because of its small physical stan and high efficiency,

In addition to small size and high efficiency, there are other resoons for the ability of HK-24's to microsgetter free bulbs that avoid metalized resings effects. Heirer and Kanfran correspond constants welfer

the seasing of URP field years to decine more officient Gammateren, and thus they are making an emporant marifuring to the opening of new electrosis from eiers in the commerce region

HEINTZ AND KAUFMAN LTD.

Gammatron Tubes AVIATION NEWS . James 10, 1944

Several thousand soldiers from approximately 500 studies throughment Wing Advisors explained that

A AWPC Names Christy-In corner-Sirty thousand het estals a day are being served aircraft workers in a

sureroft plants and other related and 150 mon a day will be released

Ballard Moves to N.Y

to 331 Madness Ave., New York S. M. Beymen, president, and exwith the long range purpose of manufacturing civilian applaces to

32,000 Wasps Made By GM Buick Branch Youl current since you started in

Roosely Pract & Whitney two row Wasse to power more than \$,000 Laborator bombers-more than 35,-000 engres-bave been produced

DMMISSARY SERVES 60,000 MEALS A DAY \$500,500 model community, a gift by the sunsagement to the Lockheed Motors since the war started and

Dosput Triple-Harlow H. Curtice. General Motors vice-president and Profit & Whitney 1,830 engines for the Leberatur bomber pragram. engine plants in Plant and Metrose

Industrial Leaders Given Data on War Army and Navy officials hold two

movement, below and public necessor

+ Operations - The discussions for cent and fature military operations Scatton Here, Pertra is receiving The conference of Los Angeles was acalegous to the conferences spansored by the Army last Septem-



pear Lockbeed pard \$278,555 to em-

plopers for 5,500 production ideas





AAF to Take Over Modification Center

service status as government em-

Maintenance, operations at Dayto Materiel Consessed. has been ordered, perhirrinary to

tien of general Army policy on daha center by Jan 15, with an equal number being transferred

Northwest's carding conferences

Plane-Tank Engine The Wright Whysiwind eneme. almost advertised to the Worth officials remail to use in tapks by the addition

NEW METMET Wright and Continental-back Sheemen tanks, but also the

tratus and supply, while the Ma-

Coast Plants to Plan 60% Increase in '44 Aim at 225,000-con output against

161,680 kest year. The seven Averaft War Producthese companies-Boorg, County-West Coast starts produced M .-616 wardares in 1941, compared with 17,004 is 1942, on increase of



AVIATION NEWS . January 22, 1966



An Esta archievement ... Devised by Educations, they goes two foot, exceed with personable wheelt for connection from beauties and limiting fields, represent a restable varying advance 'in the design of equipme float ever-



FLOAT GEAR

SERVES THE UNITED NATIONS



TRANSPORT

TWA Studying All Aircraft Designs for Post-War Operation

Craft with two, three and four engines, and of all shopes are included in evaluation for future use on local, regional and long-range services. By ALEXANDER MASCREEY

The engineering department of on the old tri-mater, drawed up in sharce of TWA's engineering do-DEverything Cassidered-"We are



locked by the paint or co-paint, mad-Francis Planned-Tor example would make it possible to operate engine out. With a twin-metered



an important there in TWA's studies



clear this is vely one of many shetches drawn than far of planer to meet poolwar transport requirements. is ventilation and air conditioning

able to use smaller engines with tion of dast and smake, already de-P Extra Takenell Power - Another veloped for use in homes, can be applied to surcraft with only slight motor is the added "amph" on take-

of two of its engage, making it not-

operations of 2.666 to 4.000 reflex

Air Conditioning - Improvements

being studied Franklin believes

\$1. A 4-to-4 passerger place for h Marche a Scout-The aut-conduout storm every 50 to 200 railes. Speed in looking to incure congru-A Seer High Wingers - The TWA bis. A still larger plane of 80-te-100

that considerable changes are needed up steps to the plane, making an-

other substantial saving in time. A crock stones at sirting business more than ordinary significance in the light of past research and cre-Property BC-1 - Specifications submitted by TWA engineers in

the building of the DC+1, povent liners and their predecessors, the DC-To. The autine worked in caoperation with the Goodrich Company in developing the rubbar boottype wire de-teer in 1932, and was Property Other Research -- Appen use of the electrical engine araengine transport service The high-altriade research flubin report from the Army in 1926, reaks tives up to 35,000 feet, and leadure to specifications for the Boring

k Blich Altitude Operation - TWA to give the company a valuable

PAA Merges Units In Larin America Eur-West divisions consolidated

with bendgarters at Mauri. west count of Bouth America as well as Pun American's subsidiaries in Western drymon, out of Mexico

leans on down to Balbon. The two year before the war. The system A Discount No. Marrison ... The concarried 49,345,000 possels of careo and leaved 73,733,000 ton rother in

Pan American new has four commercial division. In addition to lanter division, at North Brach and

Both of the companies, according to Pan American's year-end report had 150 sircraft in operation at the end of 1943.

WORLD'S OLDEST MAP holds what the Corl Aerusastics ablest resp, a clay tablet deporting a

\$3.144.000 miles, conserved noth

1941 Personners in 1943 services

696,760 renust 391,013 for 1941

New Records-Pirrogra's share in the 1942 operations was such that categories plane miles totaled to 100,000 compared with 4,000,000 in 1943, passenger reales were \$1,500,4 passengers carried \$9,000 compared with \$4,770; express, 2,000,000 present compared with 1 220 one mail 200,000 pounds compared with 245 000 Personnel mercased from 1.693 to 1942 to 2.560 last year

from the fact that one of Pan Amera-

regression. An important feature of its nortwor plans strengy advanced, at fear-engine equipment to make negatile full raght operation. Northwest Financing

Airline files sessement with ADC for common uncle offering.

\$3,929,744 on 1942 and 24,575,951 in The plan calls for 119,000 shares of which 117,465 will be offered

1843, and the 14,460,400 pound part present common stockholders at a Aut her wartists operations excord these of peace may be seen



Dook mins of the loading of the first Pan American Clipper in PAA's new allicaran service in the Cerobbers area. Four tons of exposus are brown loaded for a 1,150-reals trup to Poerte Nico. The service will coverate beturers Micros and San Juan and Micros and Barrenguilla, Colombia. AVIATION NEWS . James 16, 1844

and fractional-share substription b Underweiting Green-Members of will be moved wroter autums.

TWA Opens Course For AAF Mechanics

Cay for training By ALEXANDER MCSURELY

Transportered at Western Air for \$ Radio Mrs. Trained-Resides the Graduates of the 60-day reterms. units, moludary polet, co-polet, navigutor and flight mechanic-to head personnel and critical air cargo in

pelier, air frame, radio and equip-Students who complete the course

Burke's Resignation Laid to Air Policies High over of distances into and

fight reschange oppress, the school in

a 66-day course in physical culture

to taughen them for combut duty

By BLAINE STUBBLIFFELD

ray out on his conventions. He told

sturmed the United States for Secretary Hull's reciprocal trade progreen, took a leading part in persanding the Lotin American to threw out Axio surfrees and radge stations, hended negativetions for

Conword the world around. He

consultee on interpresent avention

TWA Mechanics Learn Cargo-Landing: De-dours procedurer for londing cased transitional transact of the intercept of the inter contingual & Western Six of Vennos City





are being used in attactures where presidently sade street Strength is important, set it is but one of the features of Timber Senzeures products. Other advantuges are ready source of macricis, speed of consenution, concern

This occurrington has rendered years of service to con-

tractics, architects, majorets, plant management in prefabricacing roof trames for hangars, raise forces on plants. evention bossing of all kinds. We avvise appeters as an work performed and as to our ability to serve you in ricebes or other structural manufale. For exidence of much we have done please use the coupon below or write dress for horestare.



TIMBER STRUCTURES, Inc. Bend Book "Ingineering in Wood" Nene Minn Toma of building or business

AVIATION NEWS . Jersey 10, 1944

Spirited Session Held On Post-War Aviation Peace poshlems in sir field dis-

la Wohitsten. A spirited panel decumes exat Constitution Hall in Washington. American Airlines, Senator Brewaviation rabcommittee, and Bear

Admiral Errory & Land, thairman of the Maritime Commission, and Motorchange An interchange octhe manel but couldn't attend, had don would run scowed \$100 after the wer. Dight Berden think, the Differ on Figures-While Burden. was starting his answer. Dogson.

the promdent of the Senator's favorite sixtine," Damon replied, Damon, pressed for his opinion, later said after some deliberation, In his prepared talk, Damon said 20 years transports may cruss at 400 meh or better and soon after

of 100 miles per hour for certain

will be increased to between 200 and

will be started soon after victory for commercial transport planes which + Competition-Domon called for constionable blessing of single operstion, whether it is ealled by the high-sounding designation of the garden versety term of 'monopoly,'

"There is no more point in the United States' subscribing to the there is an our subscribing to chosen rastrument polytically of emprent sortines." Plans must be

P. Brewster Deerles Policy Delay-Secretor Borwater, referring to a secrecy 'walkcomily to may that I tin and Chies, take the revenuely

post-way aviation policy should nations. Why, he saked, should a country's answer to the altraction? Land Thought steamship lines plementary airlines, Despele growth

of air transport, more surface yes-

sels will be needed after the wer,



week on the United Mations Forum in Washington's Constitution Hall, Skiph S. Dawon (left), vice-president and general manager of American Awlises, and William A. M. Burrien (right), special assation assistant to the Secretary of Cummerce, broudout a surresary of their states on pastwar interestional air transport. Between them is NBC Communicator

Convair Board Reported Planning Move on Consairways Separation

Directors of purent company expected to you at next meeting on plan to divest firm of trans-Pacific airline: Marson interested

Lighter Packaging How space and money ere benow is a division, appeared last week as a defecte bloothood. The extension that monthly savenus curgo atabaco ander ito juradic-Mateon Interested-West court ad-

vices are that Matera Novication

with other war contract corriers in

that orea, is helping to make trans-

Its flights roughly parallel those

Pacific for the ATC. In addition to

these said ATC's own operations,

scheduled trees were flown

50,000 sounds at Ban Francisco enurvelent to 276 fully feature curgo pisses, or a saving to the

\$1.50 per pound, of \$2,000,000 n.

from 24 to 5 hours - One Conner 4 days and 43 minutes. port and Amberty Field contracts, rin \$8,178,168 Costs figured \$3 \$995 per mile, \$180.57 per hour,

418.651, while per factor costs Larger Port Urged

Engineers' survey soks develop-

V-26's The 25 flight crows soullof Wold-Chamberlam field at Musable at the start of operations have At its Australian terressal at Ana-



This earthern from the office of the Coordinator of Inter-American Affairs Western Arr recently insected.

AVIATION NEWS . Junuary 10, 1944



HAMILTON STANDARD "PROP" TYPES pollege, Spring linewave, deffectilling, has occurated for contably enother

Details of the approint of the heaver 13-page report admitted parisdiction see listed in a correct-Managanta

Airframe, Engine, Propeller Output In 1943 Doubles Value of 1942

Dollar votogne of strivenes, enprenduce, redicating substantial re-

the foregonal a year ago, sons \$17,000 turing the 1842 value of \$5,000,000 .

h Airframe Weight En Sharely -\$47,000,000 pounds of military sirframes in 1963, nearly two and one-

Strongs Poundage "Poundage of output of \$5,000 planes, \$5 percent He gave these comparative fig-

'It is significant," Marray added,

Airport Heads Plan Fort Wayne Meeting Services to open meeth after

meet at Fort Wayne, lad, next

3 Lake 500 Equatories - Total creh Meas Feb 16-7h-The latest ag-

Two hardred sirport managers in Fineskers - In addition to serious

prinappil spenker at a banquet on

speed, and what freed base operawar surport planning, whether Air Express Gains

40 Percent in 1943 Totals 14,000 trees commerced with

about 16,000 tens of air express dar-

DIRECTORY CHART, HEADQUARTERS ARMY AIR FORCES

General H H ARROLD MUNICIPALITY AN

MACANET MANAGE OF ARE MUT No. in J.N. Secon On a S. Actionsis Cd W.C. Barrier Or 16 Bules Brig Str. L.S Koler Co you I Coup. Ferner en note PLANS AND fire fac. I. Witte COOPERATIVES: CONT BUT Ara do La terra OPERATIONAL STREET A Sec SELVINES DO AR_STEROSHI TECHNICAL MANY 102100 PERSONAL CO Drift R. H. Scharg per manes PERMIT a frig fan AR FRANCE TALAMPTATATION PAGE COLD SPECIAL MOVES TRANSIS PLAN AR GROADING PRODUCAL VARIOUS OFFICE STEWERS. OR DAPLEM Brig Ges A.C.Cook Cel J L AR PROVING



DESCRIPTION CONTRA











OF NOTATION Cal P M

AVIATION NEWS . Jensey 16, 1966

HUNTER HEATER READIES MOTOR tops in 5,000 shippents, the average close to 39 pounds and flown 1,600 ON COLDEST DAY ratios Estimates are that Lice.com IN FEW MINUTES Frigin Shipments-Descrite war-Onick-on Doct Connections

shumonts a month, the division said Connection reents with demostic Permit Easy Set-Un of "Cold-Starting" Device roules are Misers, Brownwille, Los BURNS ANY TYPE OF GASOLINE come an international occupant in

mercures in teners the general the

tribution. Afteringes claimed for the Stoner device are in Eghanes, sim-plety of consequence, the case with

or fireigh the engine housing by

Firstble down are provided which

variation in stee and open of cowl-special heads are available for delivery of here to prefind restrictions.

Raped because and recognission of the air within the enclosed area sources

even bewang of all pass of the engine

This simple becar can be designed from the families during and are trained

Campine Information on the House

our man of executive at based. The Honer prehener, weighing ap

Domestically, several fights extween the 150 surport cities and 23,000 off-stirline express offices, sncreased \$6 percent in the first 11

well result to sevence to the

20 "Mars" Flying Boats Ordered for NATS First of plant algorals expected to

Glenn L. Martin Co., said it peob-

nated laurder. The new planes on

Probeing may be obtained by writing or wiring Musier & Co., 1542 S. 17th Sares, Carelined, Ohn.

craft, despite the fact that the More established four world's records on

gincers and Navy agreen pave the

2.100 hrs. cuch. The new franciboots of the Mary Their performance will be closely watched by the avertion reducity,

sensor and cargo transportation, Lindbergh Field

At San Diego Shut Commercial planes barred from port, held sub-standard, by CAA. Lindbergh Point, San Discole was

Board's closing of Philodelphia's sirport a week earlier for war an-Diere fieled to moretum reserves City Landing Danger. "Form Hank hild now offmals. He wided

to take responsibility for the field's landing strip or poorly repaired Officials of Western, United, and

While thanges may not be exten-AVIATION NEWS . Junuary 10, 1944 AVIATION NEWS . January 18, 1166

b Conveit Planes Vested-Use of the sirpert for military purposes and tection of Concentrated Value

ATA Legal Counsel

Relinquishes Account Airline members of association

not six months' "notice." Airbox receivers of the Air Trees-Covington, Burling, Builder, Ache-

for 1945 mercanes of 21 percent in passenger traffic and 30 percent as legal offsirs, and Gerhard A. Gesell after the Alaska highway was comh Size Months! Notice... The Service ably well be able to obtain other Cond Hunter, president; E. I. Wayer,

It also has been deeng work for LAI St Martin, Netherlands West dalies were assumed with the expectation there would be no confect. celeries in Control and Bouth America, the West Indies and the Carib-

ererections with the association.

American Artipes' air mail valtane eleven months of 1943-up 635 percontinu to Jahn A. Brests, western corne traffic reperintendent. Nevenexpress totaled 19,027,095 peumds, or

L. Weigh Physic, chapman of Civil independ a rance spendion of

exhabit in the Department of Com-

rayroe and torsam, Contest ends Feb. 1.

Considera Possifie Air Lines reports

Memo for Post-War Production

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complete facilities for all types of close tolcrance production.

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SENSENICH Warter harvest manufacturers of wood average propeliers

Right on the Nose of the Ryan PT-22

FINANCIAL

Airline Stocks Chalk Up Gains

Final prices show commoned advances by all air transport shares

A study of the 1943 price ranges

Free Deficult-It is also a mile surmose that arrive egyptics are

firding at mercentrally difficult to

preciation they empoyed in recent

values. The record, nevertheless,

losses for the year But these fr-

and are no langer of the wife scape

that prevented during 1948, for ex-

ample Perceptagewise, the sergrafts which deplaced in market value dur-

while equities in plane manufacturing firms decline further. By BOGER WILCO



OF ABSENTEEISM?

refi.FLEX fathery Standing Habi ma toleren the publics or humbook of phoes -- May Vi de C. o. word

Not Changes and 1941 Market Ranges

for 1943. Not gains per share range for his holders. Whele American

Central to a maximum of \$11,625 a.

In '43 as Aircrafts Lose Ground

vesting public. It is interesting that commerce, excellent opportunities substantial profit - not only on on 1842 for Donatas would have It is likely that, as long as un-

Chambers Heads Underwriters Group

Reed M. Chambers, vice-president Albert J. Sruth, assistant tress-

peno, after a leave of almence to

Aircraft Stocks Seen As Overdeflated A sheerful note in expressed for

aircraft equation by a leading statu-

Pressimistic Future Noted - The much-reserved negomietic future Financial Reports

of some of the maser uncertainties

ness Service. However, ontigreen is

h Breech Aircraft Carp. in its re-port for the forcel year ended Secut. 35

1943, reveals that after recentified ing \$39,524,425, min appropried to

Air Associates, Inc., reports for the year ended Sept. \$8, 1943, not inon 134,934 corners, after all reported net sales race to \$38.406.which people's will remain with 576 from \$14,396,500 for the year



Les Aucrier' reintention of Kirty Hawk Day was forgred by the presence

Leslis Neville, editor of Avistico, who was processed speaker-

MELFLEX PRODUCTS COMPANY C I WASTON Product

DEDSONNEL

Moor Charles G. Rossen, Jr., but he-W. A. Detteres, president of United come anustrat to Lee H. Smith, general L he was with the LaPepetto Rosa-





Lt. Col. Could B. Johnson has been nature of findacy Otso, he has been secov is Array public relations work tions rection, he heads yable reisrecovered, as well as the public rela-



A. W. Herdrickers, industrial relations personnel director of the Farrel Birmanghore Co., with please in An-sonia, Cunn., and Buthio, N. Y. He



situate of the Trans Donmer, to an

selidated Voltes Agerrali Corn's Al-

Trunsfer of Brig Gen Laws V Revo. Jr.

an level flushi. She has received an



some time burnsteering, and then Office. He was one of the property in sen purceeded brief Manual County).

to become Unsted Aw Lines Gold Medal for his survives After Antines He also bolds the Distin-21 was reportedly the youngust sar line office manager in the country. Durald E. Wilson was secondated source.







Corp., for the past several years, and below that was remeder of Cartest

Brigh busin his swaring ourser in







over 670 hours to his credit In his

also work with the Denover Public

tuni Enuneerus et NYU and holds



LOCKHEED CHRISTMAS PARTY IN IRELAND:

Prime Minister Sir Band Brook of Northern Ireland extended one of the

directly with Labor-Management

Committees Before going to the So-

there years. He is a member of the har is both New York and Maryland

Mr. Wright Looks Ahead

A Mr. T. P. Wright's own account of the agents Mr Writht's report, however Most too industry officials know how much be has done to bring order he has the about to set along with noonle. With-

out offending the civilians of Washington, he has It was about 1940 that Ted Wright wrote in Aviation magazine that sirpower could win the fell and some of our best known aviation spokesseen the German averraft plant before the war

na monde of down. The autumn of 1969 received Wright was correct and that others were wrongtory for Allied Air Power and prepared charts

showing what the H. S. could do to 1961 and 1940 And to cloud his uncomey ability, we repeat for was on 1943 aircraft production. Wright and he'd guess about \$5,000. The fine! figure Mr. Wright

A Precedent for Industry

a consumption of the Designal Aircraft De-A partment of the Aeronautical Chember of Com-Selection was unanimous of John E. P. Morgan

Fortunately for personal aviation, the light plane

stakes, at ill dawdle over reconstructing a unule. vitalized Chamber as long as the aircraft councils

A Remarkable Document

Descripting the parks stoomage the U.S government space on the document, and some are running it as being a faithful stooms of periods. governments, few of them of interest to the public. res Office it would print a chean edition of Gen-Arneld's creat report to the Secretary of War and would distribute it throughout the country for sale to the public at hardly more than cost. The report

compre at the threshold of a new and granial stage via recent carearkable performances. The report in riself is amportant, but its effect on political air

polary in the next six months will be for greater then most recomment officials now realized

Affectionately keeps as the "Cat." Consolidated Valter's emphision employe, which is named the Cutaliza, is in the sever almost constantly on both our eastern and weatern buttle fronts More than an abbreviation, "Cat" aprily suggests this plane's easy grace in landing. The Cutalina cat because it is equipped with Aerola Appala are an established advancement in according salety and comfort. To cooking landing aback. ert (Fields ZZ) AEROLS*

THE SECRET ASSOCIATE VEHTS ON AN AMPLACED LANGUED DIAL THE MARKE IS GRAVED PROMISE THE MARKET SECRET



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Every week 192,000 employees purchase more than a million dollars' worth of War Bonds Not all laboratories are housed in buildings. This lonely ravine, for example, occasionally is used as a laboratory, when G-E engineers want to test electric equipment for aircraft turrets under actual firing conditions. Here is one of the famous Martin turrets going through its paces while engineers check the performance of the G-E turret-control system.

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